

STATISTICS WORKSHEET-5

1. Using a goodness of fit, we can assess whether a set of obtained frequencies differ from a set of frequencies.

- a) Mean b) Actual c) Predicted d) Expected

Correct option – d) Expected.

2. Chi-square is used to analyse

- a) Score b) Rank c) Frequencies d) All of these

Correct option- c) Frequencies.

3. What is the mean of a Chi Square distribution with 6 degrees of freedom? a) 4 b) 12 c) 6 d) 8

Correct option – c) 6 .

4. Which of these distributions is used for a goodness of fit testing?

- a) Normal distribution b) Chi-squared distribution c) Gamma distribution d) Poisson distribution

Correct option – b) Chi-squared distribution .

5. Which of the following distributions is Continuous

- a) Binomial Distribution b) Hypergeometric Distribution c) F Distribution d) Poisson Distribution

Correct option – c) F Distribution .

6. A statement made about a population for testing purpose is called?

- a) Statistic b) Hypothesis c) Level of Significance d) Test Statistic

Correct option – b) Hypothesis .

7. If the assumed hypothesis is tested for rejection considering it to be true is called?

- a) Null Hypothesis b) Statistical Hypothesis c) Simple Hypothesis d) Composite Hypothesis

Correct option – a) Null Hypothesis .

8. If the Critical region is evenly distributed then the test is referred as?

- a) Two tailed b) One tailed c) Three tailed d) Zero tailed

Correct option – a) Two tailed .

9. Alternative Hypothesis is also called as?

- a) Composite hypothesis b) Research Hypothesis c) Simple Hypothesis d) Null Hypothesis

Correct option – b) Research Hypothesis .

10. In a Binomial Distribution, if 'n' is the number of trials and 'p' is the probability of success, then the mean value is given by a) np b) n

Correct option – a) np .